

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: December 27, 2001, 16:54:02 ; Search time 25.08 Seconds

209.959 Million cell updates/sec

Title: US-09-830-647-2

Perfect score: 1206

Sequence: 1 MNSGAMRIRHSKGHFOGGIV.....LKKPFPVVKVDMSSPAVHLW 234

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched:

212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*

1: /cgn2\_6/podata/2/1aa/5A\_COMB.pep:\*

2: /cgn2\_6/podata/2/1aa/5B\_COMB.pep:\*

3: /cgn2\_6/podata/2/1aa/6A\_COMB.pep:\*

4: /cgn2\_6/podata/2/1aa/6B\_COMB.pep:\*

5: /cgn2\_6/podata/2/1aa/PCTUS\_COMB.pep:\*

6: /cgn2\_6/podata/2/1aa/backfilesl.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query	Match	Length	DB	ID	Description
1	88	7.3	617	1	US-09-361-920-29		Sequence 29, Appl
2	88	7.3	617	1	US-09-479-939-29		Sequence 29, Appl
3	88	7.3	617	1	US-09-483-432-29		Sequence 29, Appl
4	88	7.3	700	2	US-07-862-588B-2		Sequence 2, Appl
5	85	7.0	435	4	US-09-189-930-185		Sequence 185, Appl
6	85	7.0	976	4	US-09-894-997-50		Sequence 50, Appl
7	84	7.0	787	4	US-09-188-930-334		Sequence 334, Appl
8	80.5	6.7	364	4	US-09-083-305-5		Sequence 6, Appl
9	79	6.6	1196	1	US-08-144-121-4		Sequence 4, Appl
10	79	6.6	1196	2	US-08-735-893-4		Sequence 4, Appl
11	77.5	6.4	859	1	US-08-051-614-2		Sequence 2, Appl
12	77.5	6.4	859	1	US-08-316-397B-2		Sequence 2, Appl
13	77.5	6.4	859	2	US-09-034-306-2		Sequence 2, Appl
14	77.5	6.4	859	4	US-09-259-437-2		Sequence 2, Appl
15	77.5	6.4	859	5	PCT-US93-09782-2		Sequence 2, Appl
16	77.5	6.4	1181	1	US-08-053-614-4		Sequence 4, Appl
17	77.5	6.4	1181	2	US-09-034-306-4		Sequence 4, Appl
18	77.5	6.4	1181	4	US-09-259-437-4		Sequence 4, Appl
19	77.5	6.4	1181	4	US-09-259-437-4		Sequence 4, Appl
20	77	6.4	1181	5	PCT-US93-09782-4		Sequence 17, Appl
21	77	6.4	250	1	US-08-256-964A-17		Sequence 1, Appl
22	76.5	6.3	259	6	5212074-3		Sequence 10, Appl
23	76.5	6.3	367	3	US-09-141-047-10		Sequence 11, Appl
24	76.5	6.3	551	4	US-09-080-983-11		Sequence 8, Appl
25	76.5	6.3	688	3	US-09-141-047-8		Sequence 2, Appl
26	76.5	6.3	776	1	US-09-021-601-2		Sequence 2, Appl
27	76.5	6.3	US-08-082-849B-2				US-08-361-920-29

### ALIGNMENTS

RESULT 1	US-08-361-920-29	SEQUENCE 2, Appl
	; Sequence 29, Application US/08361920	Sequence 4, Appl
	; Patent No. 5457046	Sequence 12, Appl
	GENERAL INFORMATION:	Sequence 32, Appl
	APPLICANT: Woeldeke, Helle F.	Sequence 1, Appl
	APPLICANT: Hagen, Frederick	Sequence 3, Appl
	APPLICANT: Björn, Carsten M.	Sequence 2, Appl
	APPLICANT: Sven, Hastrup	Sequence 158, App
	TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose	Sequence 157, App
	NUMBER OF SEQUENCES: 85	Sequence 157, App
	CORRESPONDENCE ADDRESS:	
	ADDRESS: No. 5457046disk of No. 5457046th America, Inc.	
	STREET: 405 Lexington Avenue, 62nd Floor	
	CITY: New York	
	STATE: New York	
	COUNTRY: United States of America	
	ZIP: 10174-5201	
	COMPUTER READABLE FORM:	
	MEDIUM TYPE: Floppy disk	
	COMPUTER: IBM PC compatible	
	OPERATING SYSTEM: PC-DOS/MS-DOS	
	SOFTWARE: PatentIn Release #1.0, Version #1.25	
	CURRENT APPLICATION DATA:	
	APPLICATION NUMBER: US/08/361, 920	
	FILING DATE:	
	CLASSIFICATION: 435	
	PRIOR APPLICATION DATA:	
	APPLICATION NUMBER: US 07/940, 860	
	FILING DATE: 28-OCT-1992	
	APPLICATION NUMBER: DK 1158/90	
	FILING DATE: 09-MAY-1990	
	PRIOR APPLICATION DATA:	
	APPLICATION NUMBER: PCT/DR91/00124	
	FILING DATE: 08-MAY-1991	
	ATTORNEY/AGENT INFORMATION:	
	NAME: Lambiris, Elias J.	
	REGISTRATION NUMBER: 33, 28	
	REFERENCE/DOCKET NUMBER: 3435.204-05	
	TELECOMMUNICATION INFORMATION:	
	TELEPHONE: 212-867-0123	
	TELEFAX: 212-867-0298	
	INFORMATION FOR SEQ ID NO: 29:	
	SEQUENCE CHARACTERISTICS:	
	LENGTH: 617 amino acids	
	TYPE: amino acid	
	TOPOLOGY: linear	
	MOLCULE TYPE: protein	

MOLECULE TYPE: protein  
US-08-479-939-29

Query Match 7.3%; Score 88; DB 1; Length 617;  
Best Local Similarity 23.9%; Pred. No. 0.44; Index 54; Gaps 12;  
Matches 54; Conservative 35; Mismatches 83; Indels 54; Gaps 12;

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QY 20 VKNENKARPSLKLKDUNRPEKCKPLWKGKV-FYLDLPSVTISEKLODKDQDGGRVEF 78
Db 134 VSKDKNGPVDKS-----ETAPS PRKVKERAKNAPF----SLOPDIND--GQV--Y 176
QY 79 LSKDISTLSKKEAKFACTLGILSPVPSAYTAETTSFPHSHGSFSKSPDTVCLSR 138
Db 177 MDEEVNLNVRYGNASTSTGKAYS--LDNEPALWSET--HPRHPEQLQAELVAKS- 230
QY 139 GKLUVEAKIKHDIFPSNSTSNALSWGKKILIDD-----IRYVIEOKKK 184
Db 231 --IDLSKAVKND--PHASIFGPALKYFGAVLSQLADPMPSLOGNYSWFIQYDQMN 286
QY 185 ELYLKKSTSIVRD-----GGKRV--GSGAQKTRTRGLKKP 218
Db 287 AHTQNGKRLLDVLDVHWYPEAQGGQRIFFGAGNIQKARVQAP 332

```

RESULT 2

US-08-479-939-29

Sequence 29, Application US/08479939

PATENT NO. 5686593

GENERAL INFORMATION:

APPLICANT: Woeldike, Helle F.

APPLICANT: Hagen, Frederick

APPLICANT: Hjort, Carsten M.

APPLICANT: Sven, Hasstrup

TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose

TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose

NUMBER OF SEQUENCES: 85

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 5686593 No. 5686593th America, Inc.

STREET: 405 Lexington Avenue, 62nd Floor

CITY: New York

STATE: New York

ZIP: 10174-6201

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

PATENT APPLICATION DATA:

APPLICATION NUMBER: US/08/479, 939

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/361, 920

FILING DATE: 22-DEC-1994

APPLICATION NUMBER: US 07/940, 860

FILING DATE: 28-OCT-1992

APPLICATION NUMBER: DK 1158/90

FILING DATE: 09-MAY-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/DK91/00124

FILING DATE: 08-MAY-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 3435.204-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-867-0298

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 617 amino acids

TYPE: amino acid

TOPOLOGY: linear

Query Match 7.3%; Score 88; DB 1; Length 617;

Best Local Similarity 23.9%; Pred. No. 0.44; Index 54; Gaps 12; Matches 54; Conservative 35; Mismatches 83; Indels 54; Gaps 12;

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QY 20 VKNENKARPSLKLKDUNRPEKCKPLWKGKV-FYLDLPSVTISEKLODKDQDGGRVEF 78
Db 134 VSKDKNGPVDKS-----ETAPS PRKVKERAKNAPF----SLOPDIND--GQV--Y 176
QY 79 LSKDISTLSKKEAKFACTLGILSPVPSAYTAETTSFPHSHGSFSKSPDTVCLSR 138
Db 177 MDEEVNLNVRYGNASTSTGKAYS--LDNEPALWSET--HPRHPEQLQAELVAKS- 230
QY 139 GKLUVEAKIKHDIFPSNSTSNALSWGKKILIDD-----IRYVIEOKKK 184
Db 231 --IDLSKAVKND--PHASIFGPALKYFGAVLSQLADPMPSLOGNYSWFIQYDQMN 286
QY 185 ELYLKKSTSIVRD-----GGKRV--GSGAQKTRTRGLKKP 218
Db 287 AHTQNGKRLLDVLDVHWYPEAQGGQRIFFGAGNIQKARVQAP 332

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RESULT 3

US-08-483-432-29

Sequence 9, Application US/08483432

PATENT NO. 5763254

GENERAL INFORMATION:

APPLICANT: Woeldike, Helle F.

APPLICANT: Hagen, Frederick

APPLICANT: Hjort, Carsten M.

APPLICANT: Sven, Hasstrup

TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose

NUMBER OF SEQUENCES: 85

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 5763254 No. 5763254th America, Inc.

STREET: 405 Lexington Avenue, 62nd Floor

CITY: New York

STATE: New York

ZIP: 10174-6201

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/483, 432

FILING DATE: 07-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/361, 920

FILING DATE: 22-DEC-1994

APPLICATION NUMBER: US 07/940, 860

FILING DATE: 28-OCT-1992

APPLICATION NUMBER: DK 1158/90

FILING DATE: 09-MAY-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/DK91/00124

FILING DATE: 08-MAY-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 3435.204-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-867-0298

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 617 amino acids



US-08-894-997-50

; Sequence 50, Application US/08894997A

; Patent No. 6270990

; GENERAL INFORMATION:

; APPLICANT: Anderson, David J

; TITLE OF INVENTION: NEURON-RESTRICTIVE SILENCER FACTOR

; FILE REFERENCE: 17810-502 NRSE

; CURRENT APPLICATION NUMBER: US/08-894, 997A

; CURRENT FILING DATE: 1998-01-06

; EARLIER APPLICATION NUMBER: PCT/US96/02817

; EARLIER FILING DATE: 1996-03-01

; EARLIER APPLICATION NUMBER: 08/398, 590

; EARLIER FILING DATE: 1995-03-03

; NUMBER OF SEQ ID NOS: 55

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO: 50

; LENGTH: 976

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: PEPIDE

; LOCATION: (1..(976)

; OTHER INFORMATION: Human NSRF

; NAME/KEY: CHAN

; LOCATION: (1..(976)

; OTHER INFORMATION: Human NSRF

; US-08-894-997-50

Query Match 7.0%; Score 84; DB 4; Length 787;  
 Best Local Similarity 21.2%; Pred. No. 1.8; Gaps 12;  
 Matches 63; Conservative 33; Mismatches 103; Indels 98; Gaps 12;

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QY 11 KGRFQSGIQVNEKNRPSKSLKTDNPERKPSKRCFLWG--I--KVFYLDIFSV 58
Db 239 KGH-----RPELPPI--CRPRPACASLIGMQRCWADPOVRPFETSE 283
QY 59 T--ISEKLQDIDIGGRVEELSKDLSYLNSNEAK-FATGIGRSPV--..... 106
Db 284 TEDICEPDEEVKDIAHEREGKSS---LESKEARRESEKLRKASAPPFDNCISLE 337
Db 398 ASTGDGQPTDIOKKLVDAISGDTSKMLQDQDVLDLDSASLHLWAEAOECV 457
Db 338 LLSQLDSGISGTQBLGPEELRSSECTLSSSSCRLGVSSYDOSAFSSRGSLSFERE 397
QY 147 IKDHDPFPS-----MSLNALSKGKVLHIDIRYIEKKKLYLL----- 189
Db 466 G-----KDAS----REKKRQSSVSVQVTURKSAVATKAEVKIDGOTGN 511
QY 130 SPDYVCLSRKGKLVKAIKHDFIPSNSLTSNALSWVKLHIDDIRYIEQKKKLYLL 189
Db 512 NPERRQC----KAKNRKDKDNEAHPSDEVNEG-----PVTKKKKSECK 552
QY 190 KKSSTPSVRDGKGRVGS--GAQKTRGRLKK 217
Db 553 SKISTNVPKGGRAERPVGVRK-QSASKR 581

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RESULT 8  
 US-09-083-305-6  
 Sequence 6, Application US/09083505  
 ; Paten No. 6191269  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Pollock, Allan  
 ; ATTORNEY/AGENT INFORMATION:  
 ; APPLICANT: Lovett, David H.

APPLICANT: Turk, Johanna  
 TITLE OF INVENTION: Selective Induction of Apoptosis in  
 TITLE OF INVENTION: Malignant Cancer Cells by Delivery of N-Terminal  
 TITLE OF INVENTION: Interleukin-1-Alpha Pro-Piece Polypeptide  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Boricevic & Reed, LLP  
 STREET: 205 Hamilton Ave, Suite 200  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94301

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/083505, 305  
 FILING DATE: 29-MAY-1998  
 CLASSIFICATION:  
 PRIORITY INFORMATION:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Francis, Carol L  
 REGISTRATION NUMBER: 36,513  
 REFERENCE/DOCKET NUMBER: 6510/1020US1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-327-3400  
 TELEFAX: 650-327-3311  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQ CHARACTERISTICS:  
 LENGTH: 360 amino acids  
 TYPE: amino acid  
 STRANGENESS: single  
 TOPOLOGY: linear

US-09-188-930-334

; Query Match 7.0%; Score 84; DB 4; Length 787;

; Best Local Similarity 21.2%; Pred. No. 1.8; Gaps 12;

; Matches 63; Conservative 33; Mismatches 103; Indels 98; Gaps 12;

; FILE REFERENCE: 17810-502 NRSE

; CURRENT APPLICATION NUMBER: US/09-894, 997A

; CURRENT FILING DATE: 1998-01-06

; EARLIER APPLICATION NUMBER: PCT/US96/02817

; EARLIER FILING DATE: 1996-03-01

; EARLIER APPLICATION NUMBER: 08/398, 590

; EARLIER FILING DATE: 1995-03-03

; NUMBER OF SEQ ID NOS: 55

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO: 50

; LENGTH: 976

; TYPE: PRT

; ORGANISM: Mouse

Query Match 7.0%; Score 85; DB 4; Length 976;  
 Best Local Similarity 23.8%; Pred. No. 2; Gaps 11;  
 Matches 50; Conservative 32; Mismatches 103; Indels 58; Gaps 11;

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QY 18 IGYNEKRP-----SLAKLKTUNPRPKSKCPLKGKVYFLDPSVTESEKIQDJKD 71
Db 420 VKLAKTKEADLNNAVASNEWMENEQTKT---GDV-----SGKNEKPKAV 465
QY 72 GGRVEEFLSKDLSYLNSNEAKPAQTGLGRIS-PVFSPEASYTAETSPHPH-DGSSFK 129
Db 466 G-----KDAS----REKKRQSSVSVQVTURKSAVATKAEVKIDGOTGN 511
QY 130 SPDYVCLSRKGKLVKAIKHDFIPSNSLTSNALSWVKLHIDDIRYIEQKKKLYLL 189
Db 512 NPERRQC----KAKNRKDKDNEAHPSDEVNEG-----PVTKKKKSECK 552
QY 190 KKSSTPSVRDGKGRVGS--GAQKTRGRLKK 217
Db 553 SKISTNVPKGGRAERPVGVRK-QSASKR 581

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RESULT 7

US-09-188-930-334  
 Sequence 334, Application US/09188930A  
 ; Paten No. 6150502  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Watson, James D.  
 ; ATTORNEY/AGENT INFORMATION:  
 ; APPLICANT: Sleeman, Matthew  
 ; APPLICANT: Onist, Rene  
 ; APPLICANT: Mulfison, James Greg  
 ; TITLE OF INVENTION: Compositions Isolated From Skin Cells  
 ; TITLE OF INVENTION: and Methods For Their Use  
 ; FILE REFERENCE: 11000.1011c1  
 ; CURRENT APPLICATION NUMBER: US/09/188, 930A  
 ; CURRENT FILING DATE: 1998-11-09  
 ; NUMBER OF SEQ ID NOS: 348  
 ; SOFTWARE: FastSEQ for Windows Version 3.0  
 ; SEQ ID NO: 334  
 ; LENGTH: 787  
 ; TYPE: PRT  
 ; ORGANISM: Mouse

US-09-085-305-6

Query Match Score 6.7%; Score 80.5; DB 4; Length 364;  
 Best Local Similarity 21.9%; Pred. No. 1.3; Mismatches 93; Indels 71; Gaps 8;

Qy 23 EKNRPSLKSILTD-----NRPERSKCKPLWKGKFYFLPVSТИЕK----- 63  
 Db 82 KKRRLSISQSITDDOLEIAНДSEEИКРСАПФСЛДРВПАТМУКГЕЛFTGVVPIL 141

Qy 64 --ЛОКИДЛГРВЕЕЛСКИЛСИКРАОЛГИСРВСР--ESATTAETT 117  
 Db 142 ВЕЛДГИYНГХЕСВСЕГЕДАТ--GKLULKFICHTGKL--РРВРЛЛУЛТГВQCF 197

Qy 118 SPHPSH-----DGSSFKSPDTVCLSRGKLVERAKHDFI 153  
 Db 198 SRYPDIMQHQDPFKSAMPEGVQERTIFPKDGMKTRAEVKFGCITLVNRIEKLDFK 257

Qy 154 PSNSIIUNALSW-----GVILHIDDIYIEOKKELYUJKSSTSVR 197  
 Db 258 EDGNILGHKLEYNYNSHNVYIMADKOKNGIKVNF--KIRHNLEDGSVOLADHYQQNMPG 315

Qy 198 DG 199  
 Db 316 DG 317

RESULT 9  
 US-08-144-121-4  
 ; Sequence 4, Application US/08144121.

PATENT NO. 5610031  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: LAHIVE & COCKFIELD  
 STREET: 60 State Street, suite 510  
 CITY: BOSTON  
 STATE: Massachusetts  
 COUNTRY: United States  
 ZIP: 02109

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/144,121  
 FILING DATE: 27-OCT-1993  
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.0) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain  
 NAME/KEY: Domain  
 LOCATION: 808..840

FEATURE: Domain  
 NAME/KEY: Domain  
 LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

Qy 171 HIDIIRYXIEOKR-----KELYЛKKSТSVRGGKRVGSGAQKTRGRLK 216  
 Db 1057 RISELERNVEELRKAAQNSGEAYIEKVVYTVKOSADEVК-----KTLDGELD 1105

Qy 217 KPFVKVEDM 225  
 Db 1106 EKVVKVENL 1114

RESULT 10  
 US-08-735-893-4  
 ; Sequence 4, Application US/08735893  
 PATENT NO. 591317  
 GENERAL INFORMATION:  
 APPLICANT: Burgeson, Robert E.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Paul L.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1196 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 FEATURE: Domain  
 LOCATION: 1..250  
 NAME/KEY: Domain  
 LOCATION: 251..437

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 438..807

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 808..840

FEATURE: Domain

NAME/KEY: Domain

LOCATION: 841..1196

US-08-144-121-4

Query Match Score 6.6%; Score 79; DB 1; Length 1196;  
 Best Local Similarity 18.5%; Pred. No. 12; Mismatches 73; Indels 86; Gaps 9;

Qy 22 NEKNRPSLKSILK---TNPREKSKCKPLWKGKFYFLPVSТИЕKДKДLГГRVEEF 78  
 Db 907 NEBLRNЛKIQIRNLFQDASLIESIEAVANEVЛKМЕМST--PQQLQNLTEDIVERSEL 964

Qy 79 LSKD-----SYLSNKKEAQFOLGRLSPVPRESAETAETSPHPHSRGDS 126  
 Db 965 SQEVILQHSAAДIARAЕMLLEAKRASKSATDVKVTADMVKEALEEE----- 1013

Qy 127 SFKSPDTVCLSRGKLVERAKI--DHDFIPSNSILS-----NALSWGVKIL 170  
 Db 1014 -----KQVAEKAИKAOДIQYQNLISIESETMASEETLNASQ----- 1056

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
LENGTH: 1196 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

FEATURE:  
NAME/KEY: Domain  
LOCATION: 1..250

FEATURE:  
NAME/KEY: Domain  
LOCATION: 251..437

FEATURE:  
NAME/KEY: Domain  
LOCATION: 438..807

FEATURE:  
NAME/KEY: Domain  
LOCATION: 808..840

FEATURE:  
NAME/KEY: Domain  
LOCATION: 841..1196

US-08-735-893-4

Query Match 6.6%; Score 79; DB 2; Length 1196;  
Best local Similarity 18.5%; Pred. No. 12; Matches 46; Conservative 44; Mismatches 73; Indels 86; Gaps 9;

OY 22 NEKRNRLSLK--TDNPEKSKCKPLWGVYFLDPSTISEKLQDKIDLGVEEF 78  
Db 907 NEELRMNLKQIRNLFQDSDADLSIEAVANEVLMPEST--PQQLQNTLDIRREVSL 964

OY 79 LSKDI-----SYLISNKHKEAKTGLGRSPVPPSAVTAETPSPHSHDG 126  
Db 965 SOVEVLQHQHADARAEMLEEKRAKRSKSATDVKAHMEALEE----- 1013

OY 127 SPKSPDVCVLSRKGKULVELAKK--DHDFIPRPNSTL-----NALSWKVKT 170

Db 1014 -----KADYVAEKAIAKQDADIGQONLTSIESTAASEEFLFMSQ----- 1056

OY 171 HIDDIREYIEOKK-----KELYLLKESSTWRDGKRVGSGAQKTRGRKL 216  
Db 1057 RISELERNEVBLKRAQNSGEAEYIEKVVYTVQSAEDW-----KTLGELD 1105

OY 217 KEPFKYEDM 1111  
Db 1106 EKYKVENL 1114

RESULT 11

US-08-533-614-2

; Sequence 2, Application US/08053614

GENERAL INFORMATION:  
PATENT NO: 5413924

APPLICANT: COVER, TIMOTHY L.

APPLICANT: BLASER, MARTIN J.

APPLICANT: TUMMURU, MURALI K.R.

TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:  
ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
STREET: 133 Carnegie Way, Suite 400  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30303

COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/053, 614  
FILING DATE: 1993/04/26  
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: SPRATT, GWENDOLYN D.  
REGISTRATION NUMBER: 36, 016  
REFERENCE/DOCKET NUMBER: 2200. 009

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 404/688-0770  
TELEFAX: 404/688-9880

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:  
LENGTH: 839 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-053-614-2

Query Match 6.4%; Score 77.5; DB 1; Length 859;  
Best Local Similarity 20.8%; Pred. No. 11; Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

OY 3 SGAMRIHSKGHFQGGI-----QVKNEKNRPLSKLSKUDNREPKSKCP 45  
Db 382 TGSORALSOEEIQNKIDPMFLAGQNNAKUDSSEKEKEFENNEIKDFOKSKP----- 434

Oy 46 LMGRVYFD-LSVTSEKIQKDIDGRVERPLSKDLSL--ISNRKEAKPAQTGRT 102  
Db 435 -----YLDAGNDRIFAVSKKDFKH-SALITENFKNGDLSYLTKMGKKQIK---ALDRE 484

OY 103 SPVSPSAYATETTSRPHPHDGSF-----KSDPT-VCLSQ----- 139  
Db 485 KNV-----TLOCNLKHGTMFWVSNFVYMASKSNKGVGTGVSHEAGFSK 534

OY 140 -----KLVBE-----KAIDHDTPSN-SIISNALSWG 166  
Db 535 VAWENLPNLNNLAITSVVRDLEDKLAKGLSPQEANKLVR-DFLSNKELVGKALFN 592

OY 167 VKLHIDDRIVYIEQQKKELY--LKSSTSVDGKGKRVGSGAQKTRGRKLKPFKVE 223  
Db 593 KAVEAKTNQGYDEVRAQDLEKSLKRREHLKDVKNL---ESKGKNKMEAKQ 647

OY 224 DMSSPAV 231  
Db 648 ANSODEI 555

RESULT 12

US-08-316-397B-2

; Sequence 2, Application US/08316397B

GENERAL INFORMATION:  
PATENT NO: 5733440

GENERAL INFORMATION:  
APPLICANT: COVER, TIMOTHY L.

APPLICANT: BLASER, MARTIN J.

APPLICANT: HARRY KLEANTHOS

APPLICANT: TUMMURU, MURALI K. R.

TITLE OF INVENTION: THE taga GENE AND METHODS FOR DETECTING NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:  
ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
STREET: 127 Peachtree Street, Suite 1200  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30303

COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-POS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/316,397B

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: SPRATT, GWENDOLYN D.  
REGISTRATION NUMBER: 36,016  
REFERENCE/DOCKET NUMBER: 2200.030TELECOMMUNICATION INFORMATION:  
TELEPHONE: 404/688-9880  
TELEFAX: 404/688-9880INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 859 amino acids

TYPE: amino acid

TOPOLOGY: Linear

MOLECULE TYPE: protein

US-08-316-397B-2

Query Match 6.4%; Score 77.5; DB 1; Length 859;  
Best Local Similarity 20.8%; Pred. No. 11; Mismatches 91; Indels 113; Gaps 15;

Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

QY 3 SGAMRIHSKGHFOGGI-----QVKNEKNRPSLKSITDNRPEKSKCP 45  
Db 382 TGSQRALSOEETQNKTIDMFELAQNNAKLDSLSEKEKFRNPKDQKDSP----- 434  
QY 46 LMKVVFYD-LPSVTISBEKLQKDIDGGRVERFLSKDLYSIL--ISNKKEAKFAQTGRI 102  
Db 435 -----YLDALGNDRIFTAVSKKKPKH-SALITEFNKGDLSYTLKVMGKKQIK---ALDRE 484  
Qy 103 SPVPSPSAYTAETTSRPHQSSF-----KSPDT-VCLSRG----- 139  
Db 485 KNY-----TLOCNLKHDGVMFVNNSNFKYTNASKSPNPKRGVGVTNGVSHLEAGFSK 534  
QY 140 -----KLIVE-----KAIDHDIFPSN-SILSNALSWG 166  
Db 535 VAVNLPNPNLNLAITSVVRDLEDKLIAKGLSPQEANKLNK--DFLSSNKELVGKALNFN 592  
QY 167 VKTHIDDIRYEQKKKELYL--LKSSTSVDGKRGVSGAQKRTGRKRPFYVE 223  
Db 593 KAVAEEKNGNDEVKRAQDKLIEKSLKRHELEKDVAKNL---ESKSGNKNKMEAKAQ 647  
Qy 224 DMQSPOAV 231  
Db 648 ANSQKDEI 655

RESULT 13  
US-09-034-306-2

Sequence 2, Application US/09/034306

; Patent No. 5875943

; GENERAL INFORMATION:

; APPLICANT: COVER, TIMOTHY L.

; APPLICANT: BLASER, MARTIN J.

; APPLICANT: HARRY KLEANTHOUS

; APPLICANT: TUMMURU, MURALI K.R.

; TITLE OF INVENTION: THE tagA GENE AND METHODS FOR DETECTING

; TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION AND GASTRIC CARCINOMA

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NEEDLE &amp; ROSENBERG, P.C.

; STREET: 127 Peachtree Street, Suite 1200

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: USA

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/034,306

FILING DATE:

CLASSIFICATION:

PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/316,397

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: SPRATT, GWENDOLYN D.

REGISTRATION NUMBER: 36,016

REFERENCE/DOCKET NUMBER: 2200.030

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 404/688-9880  
TELEFAX: 404/688-9880INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 859 amino acids

TYPE: amino acid

TOPOLOGY: Linear

MOLECULE TYPE: protein

RESULT 14  
US-09-259-437-2

Sequence 2, Application US/09/259437

; Patent No. 615390

; GENERAL INFORMATION:

; APPLICANT: COVER, TIMOTHY L.

; APPLICANT: BLASER, MARTIN J.

; APPLICANT: HARRY KLEANTHOUS

; APPLICANT: TUMMURU, MURALI K.R.

; TITLE OF INVENTION: THE tagA GENE AND METHODS FOR DETECTING

; TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION AND GASTRIC CARCINOMA

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NEEDLE &amp; ROSENBERG, P.C.

; STREET: 127 Peachtree Street, Suite 1200

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: USA

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/259,437  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/316,397  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: SPRATT, GWENDOLYN D.  
 REGISTRATION NUMBER: 36,016  
 REFERENCE/DOCKET NUMBER: 2200.030  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 404/688-0770  
 TELEFAX: 404/688-9880  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 859 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-259-437-2

Query Match 6 4%; Score 77.5; DB 4; Length 859;  
 Best Local Similarity 20.8%; Pred. No. 11; Mismatches 15;  
 Matches 64; Conservative 40; Indels 113; Gaps 15;  
 Qy 3 SGAMRIHSKGHFOGGI-----QVNNEKRNPSLKLKDINRPEKSCKP 45  
 Db 382 TGSORALSQEIQNKIDEMFLAONNAKDLSEKEKEKRNEKFQGDSKP 434  
 Qy 46 LWGVFYLD-LPSVTISKEQKDKTDLGGRVEEFLSKDLSYL- ISNKKAEANFAQLGRI 102  
 Db 435 -----YDAIGNDRAFVSKDKRH-SALITTEPNKGDLSYTLYNGKQIK--ALDRE 484  
 Qy 103 SPVSPSPESAYTAETISPHPSHDGSF-----KSDT-VCLSGK----- 139  
 Db 485 KNV-----TLOCNLKHGDYMFVNNSNFKYTNASKSPNKGWGVTINGVSHLEAGSK 534  
 Qy 140 -----KLV-----KAIDHDPTPSN-SILSNALSWG 166  
 Db 535 WAVFNLPNLNLAITSVVRDLEDKLIAGLSPQEANKLKV--DLSSMKELVGKALNF 592  
 Qy 167 VKIHIDDIRYIEQKKEYL--LKKSTTSVDRGCKRVSQAOKTRGRLKRPFVKE 223  
 Db 593 KAVAAKNGNTDEVRAQOLESLKKREHLEKDVAKNL---ESKGKNKMEKAQ 647  
 Qy 224 DMSOSPAV 231  
 Db 648 ANSQDEI 655

PCT-US93-09782-2

Query Match 6 4%; Score 77.5; DB 5; Length 859;  
 Best Local Similarity 20.8%; Pred. No. 11; Mismatches 91; Indels 113; Gaps 15;  
 Matches 64; Conservative 40; Indels 113; Gaps 15;  
 Qy 3 SGAMRIHSKGHFOGGI-----QVNNEKRNPSLKLKDINRPEKSCKP 45  
 Db 382 TGSORALSQEIQNKIDEMFLAONNAKDLSEKEKEKRNEKFQGDSKP 434  
 Qy 46 LWGVFYLD-LPSVTISKEQKDKTDLGGRVEEFLSKDLSYL- ISNKKAEANFAQLGRI 102  
 Db 435 -----YDAIGNDRAFVSKDKRH-SALITTEPNKGDLSYTLYNGKQIK--ALDRE 484  
 Qy 103 SPVSPSPESAYTAETISPHPSHDGSF-----KSDT-VCLSGK----- 139  
 Db 485 KNV-----TLOCNLKHGDYMFVNNSNFKYTNASKSPNKGWGVTINGVSHLEAGSK 534  
 Qy 140 -----KLV-----KAIDHDPTPSN-SILSNALSWG 166  
 Db 535 WAVFNLPNLNLAITSVVRDLEDKLIAGLSPQEANKLKV--DLSSMKELVGKALNF 592  
 Qy 167 VKIHIDDIRYIEQKKEYL--LKKSTTSVDRGCKRVSQAOKTRGRLKRPFVKE 223  
 Db 593 KAVAAKNGNTDEVRAQOLESLKKREHLEKDVAKNL---ESKGKNKMEKAQ 647  
 Qy 224 DMSOSPAV 231  
 Db 648 ANSQDEI 655

RESULT 15  
 PCT-U93-09782-2  
 Sequence 2 Application PC/TUSS9309782  
 GENERAL INFORMATION:  
 APPLICANT: COVER, TIMOTHY L.  
 APPLICANT: BLASER, MARTIN J.  
 APPLICANT: TUMMURU, MURALI K. R.  
 TITLE OF INVENTION: THE taga GENE AND METHODS FOR DETECTING  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
 STREET: 133 Carnegie Way, Suite 400  
 CITY: Atlanta  
 STATE: Georgia  
 COUNTRY: USA  
 ZIP: 30303

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT-US93/09782  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: SPRATT, GWENDOLYN D.  
 REGISTRATION NUMBER: 36,016  
 REFERENCE/DOCKET NUMBER: 2200.030  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 404/688-0770  
 TELEFAX: 404/688-9880  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 859 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PCT-US93-09782-2

Search completed: December 27, 2001, 16:54:04  
 Job time: 309 sec

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